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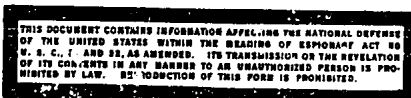
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BELORUSSIAN, UKRAINIAN INSTITUTES
WORK ON SOIL MAPS

SOIL SCIENCE DEVELOPS IN SOVIET PERIOD -- Minsk, Sovetskaya Belorussiya, 6 Jul 51

Soil study began in the Belorussian SSR only after the Revolution and after the establishment of higher educational institutions and the Academy of Sciences in the republic. Between 1923 and 1938, soil studies in scale 1:126,000 (3-verst) were made of the entire area which is now the eastern oblasts of the republic. Extensive chemical studies of the soils were also made during that period. But during World War II, much of this soil study material was lost.

After the war, the Division of Soil Science of the Institute of Socialist Agriculture was reconstituted in the framework of the Academy of Sciences Belorussian SSR. One of its main tasks was to collect all soil study materials of the republic and to publish them in suitable form as quickly as possible.

The Division of Soil Science made some supplementary studies, especially in the western oblasts of the republic.

In 1948, a soil map of the entire republic in scale 1:1,200,000 was compiled and published in color. In 1949, an outline describing all the various types of soils shown on the map was prepared for publication.

The Division of Soil Science is now working on materials for compilation of more detailed maps (scale, 1:200,000) and outlines by oblasts.

COMPLETE SOIL MAP OF UKRAINE -- Ashkhabad, Turkmeneskaya Iskra, 3 Jul 51

The Ukrainian Scientific Research Institute of Socialist Agriculture has compiled a soil map of the republic.

- 1 -

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The map shows that there are thousands of hectares of solonets soils in the southern Ukraine.

Experiments conducted by specialists of the institute have shown that application of gypsum to solonets soils increases the cotton harvest by 1.75 centners and the winter wheat harvest by 3.7 centners per hectare.

In 1951, gypsum application will be carried out on more than 6,000 hectares of solonets soils in Zaporozh'ye and Kherson oblasts.

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- 2 -

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